

## Piezoqripper Grippy III fiber-gripper

### Special Systems

The series of piezo gripper was designed for micro systems handling applications. The accurate and high speed motion of a piezoactuator is transformed by the levered transmission of a solid state hinge joint to a 300  $\mu\text{m}$  opening of the gripper gap.

Because of its compact dimensions, it is well suited for OEM applications.

All kinds of handling and manipulating small parts in research labs or industry are potential application fields for the piezo gripper. The grip force depends on the used spring.

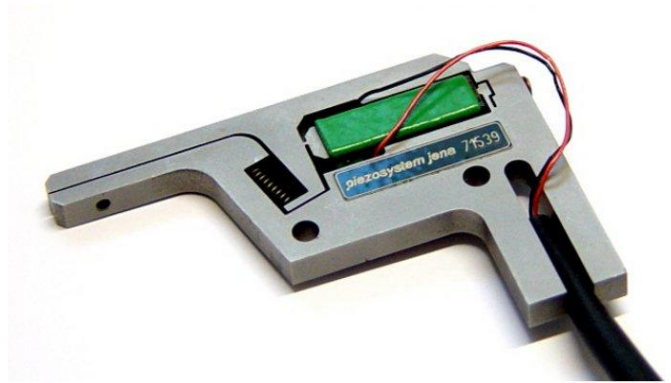


Image: Fiber-gripper Grippy III S-805-00

#### Product highlights:

- up to 300  $\mu\text{m}$  gap motion
- variable gap shape design
- adjustable grip force
- high speed

#### Applications:

- micro optics manipulation
- fiber optics assembly
- precision mounting and adjusting
- biological sample manipulation

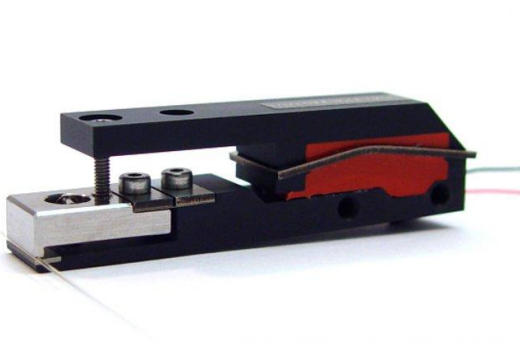


Image: fiber-gripper O-400-00

## Piezogripper Grippy III fiber-gripper

### Technical data:

part no.	unit	S-805-00	O-400-00
<b>Free gap</b>	mm	0,3	depending on fiber
<b>Free gripper motion(±10%)</b>	µm	275	300
<b>Operatin voltage</b>	V	-10 to 150	-10 to 150
<b>Capacitance (±20%)</b>	µF	0,8	1,7
<b>Temperature range</b>	°C	-20 to 80	-20 to 80
<b>Dimensions</b>	<b>length</b>	mm	54,5
	<b>width</b>	mm	38
	<b>height</b>	mm	7

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